

In the Claims:

1-32: Previously Cancelled

33. (Currently Amended) A vacuum pump comprising:

a drivable rotor having a blade in a housing which can be set in rotation, the rotor ~~being~~ comprising plastic and being formed as one piece, the rotor comprising a first longitudinal section configured for being coupled to a drive shaft via which a torque can be transmitted from a drive shaft to the rotor, ~~and that~~ the first longitudinal section being formed as one piece with the rotor and wherein the rotor comprises first and second support sections, ~~characterized in that the~~ and wherein the rotor further comprises a second longitudinal section ~~and a third longitudinal section and the second and the third longitudinal sections~~ being formed as one piece with the rotor and having the rotor has one slot for the receipt of one blade, said one slot being disposed in the second third longitudinal section, and wherein the rotor further comprises at least one cavity disposed in the body of the rotor so as to be generally parallel to the axis of the rotor and so as to be isolated from the rotor blade, the at least one cavity extending inwardly from a surface of the rotor, the surface being perpendicular to the axis of the rotor, and the cavity extending partially into the rotor body.

34. (Currently Amended) A vacuum pump according to claim 33, wherein the ~~rotor has~~ at least one cavity forms a single opening open at the edge.

35. (Previously Added) A vacuum pump according to claim 34, wherein the cavity is introduced from a position consisting of the group consisting of the drive-side frontal side of the rotor and the frontal face of the rotor turned away from the drive.

36. (Previously Added) A vacuum pump according to claim 33, wherein the rotor comprises walls having a slight thickness.

37. (Previously Added) A vacuum pump according to claim 33, wherein the rotor comprises two wall areas and a transition between the two wall areas of the rotor having a different thickness, the which is continuous.

38. (Previously Added) A vacuum pump according to claim 33, wherein the slot has a diameter is smaller than the rotor diameter in the area of the slot in which the blade is displaceable.

39. (Previously Added) A vacuum pump according to claim 33, wherein the rotor has a diameter and a slot and wherein the rotor has at least one support whose diameter is the same as the rotor diameter in the area of the slot in which the blade is displaceable.

40. (Previously Added) A vacuum pump according to claim 33, wherein the rotor has a slot and two supports and wherein a diameter of at least one of the supports is smaller than the rotor diameter in the area of the slot.

41. (Previously Added) A vacuum pump according to claim 33, wherein the rotor has at least two cavities disposed next to one another which are separated from one another by a rib.

42. (Previously Added) A vacuum pump according to claim 41, wherein the rotor has wall areas and wherein the rib is thinner than the rest of the wall areas of the rotor.

43-61: (Withdrawn)

62. (Previously Amended) A vacuum pump according to claim 33, wherein the rotor has a first longitudinal section which can be coupled to a drive shaft via which a torque can be transmitted from the drive shaft to the rotor and that the first longitudinal section is formed as one piece with the rotor.

63-92: (Withdrawn)

93. (Previously Amended) A vacuum pump according to claim 33, wherein the rotor has at least two cavities which are each introduced from a frontal side of the rotor and that the rotor has at least one closed wall running transversely or essentially transversely to the central longitudinal axis of the rotor, said wall separating the cavities from one another in the axial direction.

94. (Previously Amended) A vacuum pump according to claim 93, wherein the cavities extend in the axial direction into the central area of the rotor.

95. (Previously Amended) A vacuum pump according to claim 93, wherein the rotor has walls have a slight thickness.

96. (Previously Amended) A vacuum pump according to claim 93, wherein the rotor comprises two wall areas and a transition between the two wall areas of the rotor having a different thickness which is continuous.

97. (Previously Amended) A vacuum pump according to claim 93, wherein the rotor has a slot and at least one support having a diameter is smaller than the rotor diameter in the area of the slot in which the blade is displaceable.

98. (Previously Amended) A vacuum pump according to claim 93, wherein the rotor has a diameter and a slot and wherein the rotor has at least one support whose diameter is the same size as the rotor diameter in the area of the slot in which the blade is displaceable.

99. (Previously Amended) A vacuum pump according to claim 93, wherein the rotor has a slot and two supports and wherein a diameter of at least one of the supports is smaller than the rotor diameter in the area of the slot.

100. (Previously Amended) A vacuum pump according to claim 93, wherein the rotor has at least two cavities disposed next to one another which are separated from one another by a rib.

101. (Previously Amended) A vacuum pump according to claim 100, wherein the rotor has wall areas and wherein the rib is thinner than the rest of the wall areas of the rotor.

102-118: (Withdrawn)

119. (Previously Amended) Vacuum pump according to claim 93, wherein the rotor is disposed in communication with a motor.

120. (Previously Amended) A vacuum pump according to claim 93, wherein the rotor has a first longitudinal section which can be coupled to a drive shaft via which a torque can be transmitted from the drive shaft of the rotor and that the first longitudinal section is formed as one piece with the rotor.

121. (Withdrawn)

122. (Previously Amended) A vacuum pump according to claim 93, wherein the rotor has at least one cavity open at the edge.

123. (Previously Amended) A vacuum pump according to claim 122, wherein the cavity is introduced from a position selected from the frontal side of the rotor and from its frontal face (5) turned away from the drive.